



CONSTRUCTION EQUIPMENT

COT MCKAY BAY VOLVO L120H 632838 - DIESEL ENGINE



Sample No: VCP429244
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: COT MCKAY BAY



SAMPLE INFORMATION

Sample Number	VCP429244	VCP422481	---	---
Sample Date	03 Oct 2023	27 Mar 2023	---	---
Machine Hours	2560	1972	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	12.9	12.9	---	---
Base Number (BN)	mg KOH/g	10.1	10.1	---	---
Oxidation (PA)	%	82	69	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Soot %	%	0.3	0.1	---	---
Nitration (PA)	%	63	44	---	---
Sulfation (PA)	%	61	57	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	12	7	---	---
Sodium	ppm	2	3	---	---
Potassium	ppm	2	2	---	---



WEAR METALS

Iron	ppm	23	11	---	---
Copper	ppm	4	<1	---	---
Lead	ppm	1	<1	---	---
Tin	ppm	1	<1	---	---
Aluminum	ppm	19	9	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	42	48	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	1536	1513	---	---
Magnesium	ppm	500	522	---	---
Zinc	ppm	1068	1069	---	---
Phosphorus	ppm	912	912	---	---
Barium	ppm	0	2	---	---
Boron	ppm	30	68	---	---

Depot: VOLVO0093
Unique No: 10714112
Signed: Wes Davis
Report Date: 28 Oct 2023



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GRAPHS

